

Title (en)
CONJUGATES FOR TARGETED CELL SURFACE EDITING

Title (de)
KONJUGATE ZUR GEZIELTEN ZELLOBERFLÄCHENBEARBEITUNG

Title (fr)
CONJUGUÉS POUR L'ÉDITION DE SURFACE CELLULAIRE CIBLÉE

Publication
EP 4218802 A2 20230802 (EN)

Application
EP 23155976 A 20170630

Priority
• US 201662357645 P 20160701
• EP 17821402 A 20170630
• US 2017040411 W 20170630

Abstract (en)
Provided are conjugates including a targeting moiety that binds to a cell surface molecule of a target cell and a target cell surface-editing enzyme. Also provided are compositions and kits that include the conjugates, as well as methods of using the conjugates. Methods of making conjugates are also provided.

IPC 8 full level
A61K 39/00 (2006.01); **A61K 39/395** (2006.01); **A61K 47/68** (2017.01); **C07K 14/47** (2006.01)

CPC (source: EP IL KR US)
A61K 38/47 (2013.01 - IL KR); **A61K 39/39558** (2013.01 - EP IL); **A61K 47/6815** (2017.08 - EP IL KR); **A61K 47/6855** (2017.08 - IL KR); **A61K 47/6863** (2017.08 - IL KR); **A61K 47/6869** (2017.08 - IL KR); **A61P 35/00** (2018.01 - EP IL KR US); **C07K 16/32** (2013.01 - IL KR US); **C07K 19/00** (2013.01 - IL KR US); **C12N 9/2402** (2013.01 - EP IL KR US); **C12Y 302/01018** (2013.01 - EP IL US); **C07K 2317/732** (2013.01 - IL KR US); **C07K 2319/035** (2013.01 - EP IL US); **C07K 2319/33** (2013.01 - EP IL KR US); **C07K 2319/74** (2013.01 - EP IL KR US); **C12Y 302/01018** (2013.01 - KR); **Y02A 50/30** (2018.01 - EP IL)

Citation (applicant)
• ZHU ET AL., CHEMMEDCHEM, vol. 10, no. 1, 2015, pages 39 - 45
• SUN ET AL., MOL. THER. NUCLEIC ACIDS, vol. 3, 2014, pages e182
• ZHANG ET AL., CURR. MED. CHEM., vol. 18, no. 27, 2011, pages 4185 - 4194
• WANG ET AL., PHARMACOL. RES., vol. 62, no. 2, 2010, pages 90 - 99
• RAO ET AL., ACS NANO, vol. 9, no. 6, 2015, pages 5725 - 5740
• BYRNE ET AL., ADV. DRUG DELIV. REV., vol. 60, no. 15, 2008, pages 1615 - 1626
• VERGOTE ET AL., THER. ADV. MED. ONCOL., vol. 7, no. 4, 2015, pages 206 - 218
• HASHIM ET AL., MOLECULAR ONCOLOGY, vol. 8, no. 5, 2014, pages 956 - 967
• HERMANSON: "Bioconjugate Techniques", 1 April 2008, ACADEMIC PRESS
• HAUGLAND, METHODS MOL. BIOL., vol. 45, 1995, pages 205 - 21
• BRINKLEY, BIOCONJUGATE CHEMISTRY, vol. 3, 1992, pages 2
• CHEN ET AL., ADV. DRUG DELIV. REV., vol. 65, no. 10, 2013, pages 1357 - 1369
• PATTERSON ET AL., BIOCONJ. CHEM., vol. 25, no. 8, 2014, pages 1402 - 7
• YOUNGSCHULTZ, J. BIOL. CHEM., vol. 285, 2010, pages 11039 - 11044

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2018006034 A1 20180104; AU 2017290554 A1 20190117; AU 2017290554 B2 20201008; AU 2020289739 A1 20210121; AU 2020289739 B2 20240808; BR 112018077362 A2 20191001; CA 3027234 A1 20180104; CN 109641038 A 20190416; DK 3478314 T3 20230619; DK 3478314 T5 20240715; EP 3478314 A1 20190508; EP 3478314 A4 20200527; EP 3478314 B1 20230322; EP 4218802 A2 20230802; EP 4218802 A3 20230927; ES 2947312 T3 20230804; IL 263617 A 20190203; IL 263617 B1 20231001; IL 263617 B2 20240201; IL 305907 A 20231101; JP 2019531697 A 20191107; JP 2022176981 A 20221130; JP 7187024 B2 20221212; JP 7496629 B2 20240607; KR 102581747 B1 20230922; KR 20190025925 A 20190312; KR 20230142631 A 20231011; MX 2018016393 A 20190812; NZ 749410 A 20210129; SG 11201811719R A 20190130; US 11459398 B2 20221004; US 2019248919 A1 20190815; US 2023287140 A1 20230914

DOCDB simple family (application)
US 2017040411 W 20170630; AU 2017290554 A 20170630; AU 2020289739 A 20201215; BR 112018077362 A 20170630; CA 3027234 A 20170630; CN 201780040962 A 20170630; DK 17821402 T 20170630; EP 17821402 A 20170630; EP 23155976 A 20170630; ES 17821402 T 20170630; IL 26361718 A 20181210; IL 30590723 A 20230913; JP 2018567883 A 20170630; JP 2022131521 A 20220822; KR 20197002051 A 20170630; KR 20237031968 A 20170630; MX 2018016393 A 20170630; NZ 74941017 A 20170630; SG 11201811719R A 20170630; US 201716308732 A 20170630; US 202217822638 A 20220826